# An Adaptive Programming Technique for A Re-writable Conductive Memory Device

## ABSTRACT

A programming circuit is provided. As a conductive memory cell is programmed, its resistance changes. The provided programming circuit monitors the changing resistance while programming the memory cell. The programming circuit can be used to only program the memory cell for as long as programming is actually needed. Additionally, the programming circuit can be used to only program the memory cell when it has a value that needs to be changed.